



IN REPLY REFER TO:

United States Department of the Interior

NATIONAL PARK SERVICE
Grand Canyon National Park
P.O. Box 129
Grand Canyon, Arizona 86023-0129

2000 GRAND CANYON NATIONAL PARK PROFILE

AUTHORIZATION

Grand Canyon was first set aside as a forest reserve in 1893 by President Benjamin Harrison (Presidential Proclamation #45). President Theodore Roosevelt established Grand Canyon National Monument by Presidential Proclamation #794 in 1908. Park administration was under the United States Forest Service until the establishment of Grand Canyon National Park on February 26, 1919 (40 Stat 1175). The park was enlarged by the Grand Canyon National Park Enlargement Act, passed on January 3, 1975 (88 Stat 2089).

PARK RESOURCES

PARK SIZE: 1,218,376 acres/487,350 hectares
1,904 sq. miles/4950 sq. kilometers

"THE GRAND CANYON"

Length	277 river miles/443 km
Width	
Minimum (Marble Canyon)	600 feet/180 meters/18,000 cm
Average Rim to Rim	10 miles/16 km
Maximum Rim to Rim	18 miles/28.81 km
Average Depth	1 mile/1.6 km
Rim Elevations	
South Rim	7,000 feet/2100 m/210,000 cm
North Rim	8,000 feet/2400 m/240,000 cm
Lake Mead Boundary	1,200 feet/360 m/36,000 cm
Volume	
Cubic Yards	5.45 trillion
Cubic Meters	4.17 trillion

"THE COLORADO RIVER" (Within Grand Canyon National Park)

Length	277 miles/443 km
Average Width	300 feet/90 m/9,000 cm
Minimum Width	76 feet/23 m/2280cm
Average Depth	40 feet/12 m/1200 cm
Greatest Depth	85 feet/25.5 m/12550 cm
Average Gradient	7 feet/mile/2 m/1.6 km
Elevation at Phantom Ranch	2,400 feet/720 m/72,000 cm

The Colorado River is 1,450 miles/2333 km long from its source in the Rocky Mountains of Colorado to the Gulf of California.

GEOLOGY:

The carving of the Grand Canyon by the Colorado River has taken place over the last six million years, exposing rocks at the bottom of the canyon that are close to two billion years old.

PLANT AND ANIMAL LIFE:

(Cataloged)

Birds	287 species
Mammals	94 species
Fish	26 species
Reptiles and Amphibians	58 species
Plants (flowering or vascular)	1,561 species (approx.)
Plants (non-vascular)	
Monera (blue green algae)	99 species
Protista (includes algae, dinoflagellates, slime molds, etc.)	380 species
Fungi (includes mildews, lichens, morels, needlecasts, mushrooms, etc.)	375 species
Mosses	69 species
Endemic Species	12 species
Exotic Species	157 species
(includes some horticultural species)	
Vegetation Associations	129 species
Vegetation Formations	6
(includes forest and woodland, scrubland, grassland, desertland, wetland, and strand)	

ENDANGERED/THREATENED SPECIES:

Animals - peregrine falcon, Colorado pikeminnow, humpback chub, Southwestern willow flycatcher, and razorback sucker, Mexican Spotted Owl, Kanab ambersnail, desert tortoise, and bald eagle. In addition, there are over 30 species of special concern.

Plants - The sentry milk-vetch (*Astragalus cremnophylax* var. *cremnophylax*) is the only endangered plant in the park. There are no listed threatened plant species. Seven species of special concern (formerly category 2 species) are known.

ARCHEOLOGICAL RESOURCES:

The oldest human artifacts found are nearly 10,000 years old. The next oldest artifacts are between 3,000 and 4,000 years old. The park has recorded over 3,940 archeological resources with an intensive survey of less than 3% of the park area.

HISTORIC STRUCTURES:

National Historic Landmarks	
Individual Buildings	4
Districts (120 buildings)	2

The Grand Canyon Village was listed as a National Landmark District consisting of 257 contributing properties.

National Register of Historic Places	
Individual Structures	3
Districts (336 structures)	6
Determinations of eligibility have been received for an additional 44 buildings and structures, and nominations are pending for inclusion on the National Register of Historic Trail Systems.	

Determination of eligibility for inclusion on the National Register of Historic Places has been received for 323 archaeological sites along the Colorado River.

List of Classified Structures (LCS): 884 listings LCS is inclusive of the National Historic Landmark and National Register programs currently being reviewed.

CLIMATE:

South Rim	
Mean High Temperature	85F/29C
Mean Low Temperature	18F/-7C
Average Annual Precipitation	26 in./ .66 m/66 cm
North Rim	
Mean High Temperature	77F/25C
Mean Low Temperature	15F/-9C
Average Annual Precipitation	40 in./1 m/100 cm
Phantom Ranch	
Mean High Temperature	105F/40C
Mean Low Temperature	38F/3C
Average Annual Precipitation	8 in./ .2 m/20 cm

VISITOR SERVICES

VISITATION - 1999

1999 Visitation	4,930,151
Percentage increase from 1998	8%
1999 Shuttle System "Rides"	3,476,312

Season ran from 3/12 to 10/17 (220 days). Implemented in 1974 the shuttle system has provided over 52,671,526 rides since its inception.

1999 Estimated Inner Canyon User Days	820,000 +
1999 Backcountry User Nights	
Corridor	7,767
Other Backcountry Trails	43,522
1999 Approximate number of permits issued	11,608

Colorado River User Days as outlined in Colorado River Management Plan
(1989)

Commercial	115,500
Noncommercial	54,450
Research/Park Admin. (1999)	7,016
1999 Mule Trip Riders	
Fred Harvey (South Rim)	
Plateau Point	5,238
Phantom Ranch 1 night	3,940
Phantom Ranch 2 nights	266
Trail Rides (North Rim)	
1 Hour Ride	3,069
3 Hour Ride	4,331
All Day Ride	667
1999 Train Passengers	161,932
Commercial Air Tour Passengers (industry figures)	642,000 *
Commercial Air Tour Flights (industry figures)	90,000 *

* Note: Commercial air tour operations reported by the industry to the FAA between May 1, 1997 and April 30, 1998.

Approximately forty percent of the park's visitors are foreign, from over 110 countries.

DEVELOPMENT:

Buildings	
National Park Service	608
Concessioner	540
Total	1,146
Trails	
Maintained	33 miles/52.8 km
Total	500 miles/800 km
Roads	247 miles/392 km
Sewage Treatment Facilities	4
Inner Transcanyon Pipeline	23 miles/36.8 km
Water from Roaring Springs to the North and South Rims.	
Lodging Units	
South Rim	917
North Rim	203
Phantom Ranch	15
Recreational Vehicle Sites	70
Rim Campsites	
Mather	308 family 7 group
Desert View	50 family
North Rim	83 family

VISITOR FACILITIES:

Visitor center/museums, backcountry office, historic structures, scenic overlooks, rim trails, backcountry trail, overnight lodging, trailer sites, tent campsites, restaurants, cocktail lounges, general stores, gift shops, kennel, post office, bank, telegraph office, service stations, dentist, medical clinic/pharmacy, showers and laundry.

VISITOR SERVICES:

Educational/environmental exhibits, ranger programs and hikes, self-guiding hikes, publication sales, backpacking, hiking, camping, picnicking, mule riding, guided bus tours, air tours (originating outside the park), shuttle bus service, river trips, bicycling, auto touring, fishing, church services, law enforcement, medical services, ambulance, taxi, and dry cleaning.

CONCESSIONERS:

In 1999, the last year for which complete figures are available, 23 concessioners grossed approximately \$118 million and paid franchise and other fees of approximately \$6 million.

LAW ENFORCEMENT ACTIVITIES - 1999

Part I Offenses Investigated	234
Part II Offenses Reported	1,809
Law Enforcement Jurisdiction	Concurrent

EMERGENCY MEDICAL SERVICES - 1999:

Emergency Medical Service Responses	1,045
Deaths	16

SEARCH AND RESCUE INCIDENTS - 1999:	325
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PARK ADMINISTRATION

FY 1999 Authorized Funding

ONPS Base Operating Appropriation	\$16,587,000
(ONPS, Operation of the National Park System)	
SEPAS Project Funding	2,552,000
(SEPAS, Special Emphasis Program Allocation System)	
Equipment Replacement	30,600
FirePro Base	916,100
80% Recreation Fee Demonstration Revenue Returned	45,533,070
(Fy-97 \$5,878,100; FY-98 \$17,574,100; FY-99 \$19,080,900)	
Committed to date:	29,200,000
20% Recreation Fee Demonstration Revenue Returned	32,300
Construction in Progress	950,200
Federal Lands Highway Program	1,887,000
Income	
Utilities Reimbursable	3,442,800
Quarters	1,215,300
Donations (monetary)	268,100
Other (reimbursable, refundable, etc.)	1,632,000

NATIONAL PARK SERVICE STAFFING - FISCAL YEAR 1999
FTE (Full Time Equivalency) Information and Distribution:

Superintendent's Office	10
Administration	29
Science Center	37
Concessions	6
North Rim	18
Maintenance	96
Interpretation	28
Protection	87
Fire	19
Total FY 99 FTE Distributed Parkwide	330

PARK NEIGHBORS & COOPERATORS

NEIGHBORS

North

Arizona Strip - Bureau of Land Management
North Kaibab Ranger District - Kaibab National Forest

East

Glen Canyon National Recreation Area
Navajo Nation

South

Tusayan Ranger District - Kaibab National Forest

West

Lake Mead National Recreation Area
Havasupai Tribe
Hualapai Tribe

OTHER TRIBES WITH INTERESTS IN THE GRAND CANYON

Kaibab Band of Paiute Indians
San Juan Southern Utah Paiute
Hopi Tribe
Pueblo of Zuni

CONGRESSIONAL REPRESENTATIVES

Senator John McCain
Senator Jon Kyl
Third District Representative Bob Stump

SOUTH RIM/NORTH RIM RESIDENT STATISTICS

South Rim Year Round	2500 (approx.)
South Rim Summer	3500 (approx.)
North Rim (open mid-May to mid-October)	250 (approx.)

PROGRAM CONTACTS:

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